

## **Spring Round 2019./2020.**

SCHOOL	
TEAM NUMBER	
CATEGORY	Year 3
COMPETITION	
COMISSIONER	

NO.	FIRST AND LAST NAME OF	YEAR	FIRST AND LAST NAME OF
	PARTICIPANT		MENTOR
1.			
2.			

## **ANSWERS:**

	Year 3					
3.1.	3.6.	3.13.				
3.2.	3.7.	3.14.				
3.3.	3.8.	3.15.				
	3.9.	3.16.				
		3.17.				
		3.18.				
		3.19.				
		3.20.				



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Author: Maja Zelčić, mathematics professor Translator: Sofija Čubrić, mag. educ. math. et inf. Revision: Biljana Gaš, mag. prim. educ. Milena Laco, dipl. učit. CORRECT ANSWER: 10 POINTS

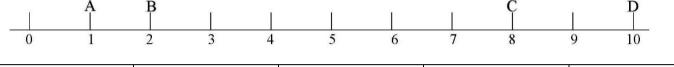
**ANSWER "E": 0 POINTS** 

**ELSE: -2 POINTS** 

3.1. When the sum of numbers 12, 7 and 10 is increased 5 times, which number do we get?

A.	В.	C.	D.	E.	We do not wish
145	135	155	140		to answer.

3.2. How many units are contained in the segment  $\overline{AC}$ ?



A.	В.	C.	D.	Ε.	We do not wish
1	6	7	8		to answer.

3.3. Which of the given answers is not equal to 2+2+2+2+3+3+4+4+4+4+5+5+5+6+6?

<b>A</b> . $(3+6) \times 2 + 6 \times$	<b>B</b> . $9 \times 2 + 6 \times 4 +$	$\mathbb{C}.9 \times 2 + (2 + 4) \times$	<b>D</b> . $8 \times 2 + (2 + 4) \times$	E.	We do not wish
$4+5\times3$	5 × 3	$4+5\times3$	$4+5\times3$		to answer.

	CORRECT ANSWER: 20 points	ANSWER "E": 0 POINTS	ELSE: -4 POINTS
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3.6. If Ana doesn't love Boris, Boris doesn't love Dubravka, and Dubravka doesn't love Mate, who does Mate not love?

<b>A.</b>	В.	С.	D.	<b>E.</b> We do not wish
Ana	Boris	Dubravka	It cannot be determined.	to answer.

3.7. The road Korina travels from school to home has the length of 150 m 150 cm and 150 mm. Dino's road from home to school is 555 cm longer. How long is Dino'r road from home to school?

A.	В.	C.	D.	E.	We do not wish
755 m 150 cm	157 m 20 cm	150 m 705 cm 15 mm	157 m 155 cm		to answer.

3.8. Tina has a birthday on a Thursday this year. On which day of the year does Tena have a birthday this week, if Tena is 52 days younger than her?

A.	B.	C.	D.	E.	We do not wish
Monday	Tuesday	Wednesday	Sunday		to answer.

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Round 3

19.2.2020.

3.9. Write the smallest three digit number that has a 4 as its first digit, and there is no remainder when it is divided by

3. What is the sum of the ones and the hundreds digit	3.	What is	the s	sum o	of the	ones and	the	hundreds	digit?
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A.	В.	C.	D.	E.	We do not wish
6	5	4	3		to answer.

CORRECT ANSWER: 30 points ANSWER "E": 0 POINTS ELSE: -6 POINTS

3.13. How many three-digit numbers less than 500 such that the product of their digits is 8 are there?

A.	B.	C.	D.	<b>E</b> . We do not wish
8	6	9	7	to answer.

- 3.14. Points M, N, O and P are on the same line. If we know that:
  - the distance from point O to point M is 14 units,
  - the distance from point O to point P is 17 units,
  - points O and P are on different sides of point M on the line,
  - the distance from point N to point M is 10 units and
  - the distance from point P to point N is 13 units,

what is the distance from point O to point N?

A.	В.	C.	D.	E.	We do not wish
24 units	4 units	7 units	It cannot be determined.		to answer.

3.15. All of Marta's books are of the same weight. There are two books in her bag. If Marta places six more books into her bag, the bag will be three times heavier. Which of the following statements is true?

A.	B.	C.	D.	E.	We do not wish
The bag is as heavy as a book.	The bag is as heavy as two books.	The bag is as heavy as three books.	The bag is as heavy as four books.		to answer.

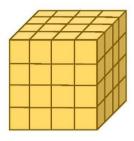
3.16. Four oranges weigh as much as six lemons, which weigh as much as three grapefruits. Which of the following is not true?

A. Two oranges are	<b>B</b> . Two lemons weigh	C. Two oranges are	<b>D</b> . Two oranges	E.	We do not wish
heavier than one	as much as one	lighter than one	weigh as much		to answer.
grapefruit.	grapefruit.	grapefruit	as three lemons.		

3.17. Ivica made a cube using 8 grey cubes, as shown:



After that, he built around the grey cube using yellow cubes and the resulting cube is shown:



How many yellow cubes did he use?

A.	В.	C.	D.	<b>E</b> . We do not wish
64	96	56	88	to answer.

3.18. Leo decided to climb to the top of Medvednica twice during the work week (from Monday to Friday). If he can do this twice in one day, or on two different days, how many different choices of days to go climbing does he have?

A.	В.	C.	D.	<b>E</b> . We do not wish
5	10	15	20	to answer.

3.19. Robert wrote all the numbers from 13 to 130:

13, 14, 15,..., 128, 129, 130.

How many times did Robert write the digit 3?

A.	B.	C.	D.	E. We do not wish
20	21	22	23	to answer.

3.20. Out of 24 students in Year 3, five of them were absent on Friday. 13 of them got a 5 from guided reading, and 16 of them got a 5 from obstacle jumping. How many of the students got two 5s that day: from guided reading and obstacle jumping?

A.	В.	C.	D.	E.	We do not wish
at least 5	at least 10	at most 10	It cannot be determined.		to answer.